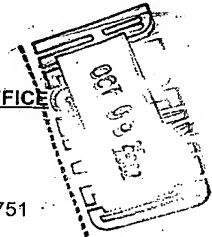




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PATENT APPLICATION
Mo-6730
HR-275



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION OF
STEFFEN SONNENBERG ET AL
SERIAL NUMBER: 10/028,609
FILED: DECEMBER 19, 2001
TITLE: SELECTION METHOD FOR
ODORANTS

GROUP NO.: 1751

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**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. 1.97(b)**

Assistant Commissioner for Patents
Washington, D.C. 20231
Sir:

This disclosure statement under 37 CFR 1.97 & 1.98 is submitted before the first Office Action in order that the Patent and Trademark Office may consider the relevancy of certain information to the invention described and claimed in the subject application, and in compliance with the regulations concerning information disclosure statements. Enclosed are copies of the following:

- a) the documents described in the above-identified application, listed on attached Form PTO 1449,

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on 9/30/02

Notand J. Chung, Reg. No. 39,138
Name of applicant, assignee or
Registered Representative
Signature
September 30, 2002
Date

- b) the Search Report received in the corresponding application pending in the International Patent Office; and
- c) the documents cited by the International Patent Office in the Search Report (except for the documents mentioned above) listed on the attached Form PTO-1449.

This Information Disclosure Statement should not be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, that any reference mentioned herein constitutes prior art, or that the references listed, severally or in any combination with one another or with any other information, are believed to render any claim in the subject application prima facie unpatentable.

Respectfully submitted,

By



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Form PTO-1449
Rev. 7-80

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Atty. Docket No.
Mo6730/HR-275
Applicant
Steffen Sonnenberg et al
Filing Date
December 19, 2001

Serial No.
10/028,609
Group
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Sheet 1 of 6

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
R	AA	5,500,137	03/19/96	Bacon et al	252	8.6	
	AB	5,500,154	03/19/96	Bacon et al	252	551	
	AC	5,540,853	07/30/96	Trinh et al	510	101	
	AD	5,668,094	09/16/97	Bacon et al	510	101	
	AE	5,780,404	07/14/98	Bacon et al	510	101	
	AF	5,833,999	11/10/98	Trinh et al	424	401	
	AG	5,849,310	12/15/98	Trinh et al	424	401	
	AH	6,142,398	11/07/00	Shefer et al	241	101.6	
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							Yes	No*
R	AL	97/34987	09/25/97	World Patent				
	AM	97/34988	09/25/97	World Patent				
	AN	97/30688	008/28/97	World Patent				
	AO	97/34993	09/25/97	World Patent				
R	AP	97/30689	08/28/97	World Patent				

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

R	AR	The Chemistry of Odorants, 199, (date unavailable) pages 188-200, Keith D. Perring, "Volatility and Substantivity"
	AS	The Chemistry of Odorants, 199, (date unavailable) pages 227-232, Jenny Oliver, "Electronic Odour Sensing"
	AT	The Chemistry of Odorants, 199 (date unavailable) pages 244-251, Karen Rossiter, "The Search For New Fragrance Ingredients"
	EXAMINER	DATE CONSIDERED
		11/21/03

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							Yes	No*
	AL	97/31094	08/28/97	World Patent				
	AM	97/31097	08/28/97	World Patent				
	AN	199 12 152	09/21/00	Germany (Abstract attached)				X
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Scent and Fragrances, (date unavailable) pages 1-5, Günther Ohloff, translated from the German Edition Riechstoffe und Geruchssinn, published by Springer-Verlag in 1990, "The Chemical Senses"
AS	Molecular Modeling, Vol. 5, (dated unavailable), page 50, H-D. Höltje and G. Gokkers, "2 Small Molecules"
AT	J. Chem. Soc. Perkin Trans 2, (month unavailable) 1993, pages 799-805, A. Klamt et al, "COSMO: A New Approach to Dielectric Screening in Solvents with Explicit Expressions for the Screening Energy and its Gradient"

EXAMINER	H. H. H.	DATE CONSIDERED	11/21/03
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U.S. PATENT DOCUMENTS							FILING DATE IF APPROPRIATE
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	AL							
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	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Perfumer & Flavorist, Vol. 18, July/August 1993, pages 45-49, Peter M. Müller, Norbert Neuner-Jehle, & Franz Etzweiler, "What Makes a Fragrance Substantive?"
AS	JAOCS, Vol. 71, no. 1, January 1994, pages 31-40, Sina D. Escher and Esther Oliveros, "A Quantitative Study of Factors That Influence the Substantivity of Fragrance Chemicals on Laundered and Dried Fabrics"
AT	OSAR, (date unavailable) Böhm, Klebe, Kubiny, Wirkstoffdesign, pages 363-364 [Active Ingredient Design] "Quantitative Struktur-Wirkungsbeziehungen"

EXAMINER <i>Hanlu</i>	DATE CONSIDERED <i>11/21/03</i>
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AN					
AO					
AP					

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Angew. Chem., 112, (month unavailable) 2000, pages 3107-3138, Philip Kraft, Jerzy A Bajgrowicz, Caroline Denis and Georg Fráter, "Allerlei Trends: die neuesten Entwicklungen in der Riechstoffchemie"
AS	J. Phys. Chem. 99 (month unavailable) 1995, pages 2224-2235, Andreas Klamt, "Conductor-like Screening Model for Real Solvents: A New Approach to the Quantitative Calculation of Solvation Phenomena"
AT	J. Phys. Chem. A (month unavailable) 1998, 102, pages 5074-5085, Andreas Klamt, Volker Jonas, Thorsten Bürger, and John C.W. Lohrenz, "Refinement and Parametrization of COSMO-RS"
EXAMINER	DATE CONSIDERED

EXAMINER Initial if references considered, whether or not citation is in conformance with MPEP 609: Draw line through if not in conformance and not considered. Include copy of this form with next communication to applicant.

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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Ency. of Computational Chem., (month unavailable) 1998, pages 604-614, Andreas Klamt, "COSMO & COSMO-RS"
AS	Fluid Phase Equilibria, 172, (month unavailable) 2000, pages 43-72, Andreas Klamt, Frank Eckert, "COSMO-RS: a novel and efficient method for the priori prediction of thermophysical data of liquids"
AT	Active Ingredient Design, Bohm, Klebe, Kubinyi, Wirkstoffdesign, (date unavailable), page 370-372, "Eigenschaften und Wirkungen: Die Hansch-Analyse"
EXAMINER	DATE CONSIDERED
EXAMINER Initial if references considered, whether or not citation is in conformance with MPEP 609: Draw line through if not in conformance and not considered. Include copy of this form with next communication to applicant.	u/2/03

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<div style="font-size: 2em;">P</div> <div style="font-size: 2em;">P</div> <div style="font-size: 2em;">P</div>	AR	Perfumes Art Science & Technology, P. Müller & D. Lamparsky, (date unavailable) pages 198-206, "The Measuring of Odors"
	AS	Perfumes Art Science & Technology, (date unavailable) pages 172-180 "The Measuring of Odors"
	AT	Database Kosmet 'Online! stn: Hostynek J J (Euroerican Teachnology Resources, Inc., Lafayette, CA 94549, USA): "Predicting Absorption of Fragrance Chemical Thjrrough Human Skin" retrieved from STN Database accession no. 12990 XP002197146 abstract & J Soc Cosmet Chem 1995, 46 (4) 221-229, 12 Refs,
EXAMINER <i>Hart</i>		DATE CONSIDERED <i>u/21/03</i>

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